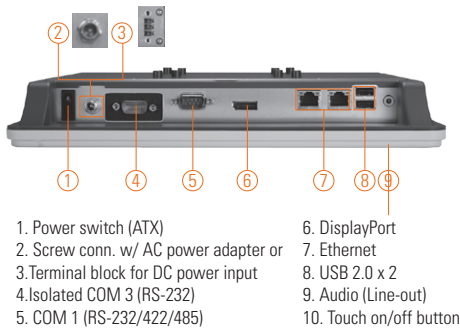


# MPC102-832

10.4" TFT Medical Grade Panel Computer with Low Power Intel® Atom™ Processor N2600



## Introduction

The MPC102-832 is a 10.4" Intel® Atom™-based fanless medical grade touch panel computer which is well-suited for applications like medical image processing and medical measuring instrument. Especially designed for the medical environment, it adopts whole system IPX1 and front IP65 waterproof design which protects the entire system from outside liquid, preventing system from crashing. In response to market demand, this medical panel computer is a cost effective solution. It supports Intel® Atom™ processor N2600 1.6 GHz.

### Super slim & ultra lightweight design

The MPC102-832 is a super slim touch panel computer for space-limited environment with its thickness of 45.8 mm and weight of 1.8 kg only, which make it installed everywhere. Besides, it provides two types of power input. One is medical grade AC medical power adapter with screw type connector, and the other is DC power input (10-30VDC) with terminal block connector (option).

### Built-in internal WLAN antenna

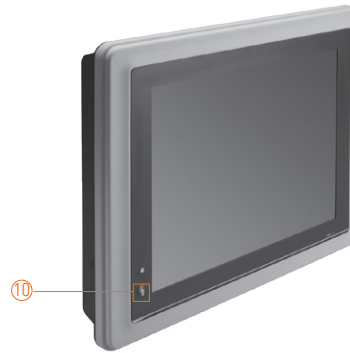
The MPC102-832 provides a PCIe Mini Card slot and a built-in WLAN antenna for wireless network connections. By simply plugging in the wireless LAN card, customers can use the MPC102-832 in a wireless LAN/GPRS/ GSM/4G environments.

### Certifications

This 10.4-inch medical panel platform complies with UL60601-1, EN60601-1, CE, FCC Class B certifications to ensure medical operation safety.

## Features

- 10.4" SVGA TFT LCD display with LED backlight
- Fanless cooling system with Intel® Atom™ processor N2600 1.6 GHz
- UL60601-1, EN60601-1, CE and FCC certified
- Water/dust-proof design (front bezel: IP65, full enclosure: IPX1)
- One key touch screen on/off button
- Ultra slim design: thickness 45.8 mm
- Super lightweight: 1.8 kg
- Supports optional panel mount, wall mount, VESA mount and desktop stand



▲ Side view

## Specifications

Front Bezel	IP65, NEMA 4 rugged protection, plastic front bezel	
LCD Panel	Display Type	10.4" SVGA TFT LCD with LED backlight
	Brightness (cd/m <sup>2</sup> )	400 nits
	Resolution	800 x 600
	Viewing Angle (H/V)	140°/120°
Main System	CPU	Intel® Atom™ processor N2600 2C @1.6 GHz
	Chipset	Intel® NM10
	System Memory	1 x 204-pin DDR3 SO-DIMM max. up to 2 GB
	BIOS	AMI UEFI BIOS
	Storage	1 x Half-Slim SATA SSD 1 x CompactFlash™
	Watchdog Timer	255 levels, 0-255 sec.
	Onboard Graphics	Integrated in Intel® GFX



## Specifications

I/O Connector	1 x RS-232 (COM 3 w/isolated 4KV) 1 x RS-232/422/485 (COM 1) 1 x DisplayPort 1 x Audio (Line-out) 2 x USB 2.0 2 x 10/100/1000Mbps Ethernet
Expansion Interface	1 x PCIe Mini Card slot
Touch screen	Resistive type
Power Supply	1. AC version: Medical grade 100-240V AC-DC 60W power adapter 2. DC version: 10-30VDC with terminal block
Dimensions	292.5 mm (11.52") (W) x 45.8 mm (1.80") (D) x 235.8 mm (9.28") (H)
Packing Dimensions	415 mm (16.34") (W) x 100 mm (3.94") (D) x 315 mm (12.4") (H)
Weight(net/gross)	1.8 kg (3.96 lb)/3 kg (6.61 lb)
Environment	Operating temperature: 0°C ~ +40°C (+32°F ~ +104°F) Storage Temperature: 0°C ~ +40°C (+32°F ~ +104°F) Relative humidity: 20%-90% @ 40 ; non-condensing Operation vibration: 2G, 5 - 500Hz, random for CompactFlash™
Certificate	CE, FCC class B, UL60601-1, EN60601-1

\* The DC power source to be used with MPC102-832 must be galvanically isolated according to IEC60601-1 safety of medical devices!

## Ordering Information

<b>Standard</b>	
MPC102-832-J	15" XGA fanless medical touch panel computer with Intel® Atom™ processor N2600, 5-wire resistive touch screen, AC-DC 60W medical grade power adapter (screw type connector), EMI class B, UL60601-1 and EN60601-1 certified
MPC102-832-DC	15" XGA fanless medical touch panel computer with Intel® Atom™ processor N2600, 5-wire resistive touch screen, 10-30VDC power input (terminal block connector), UL60601-1 and EN60601-1 certified

**Optional**  
Wi-Fi + Bluetooth kit  
Panel mount kit  
\* Specification and certifications are based on options and may vary.

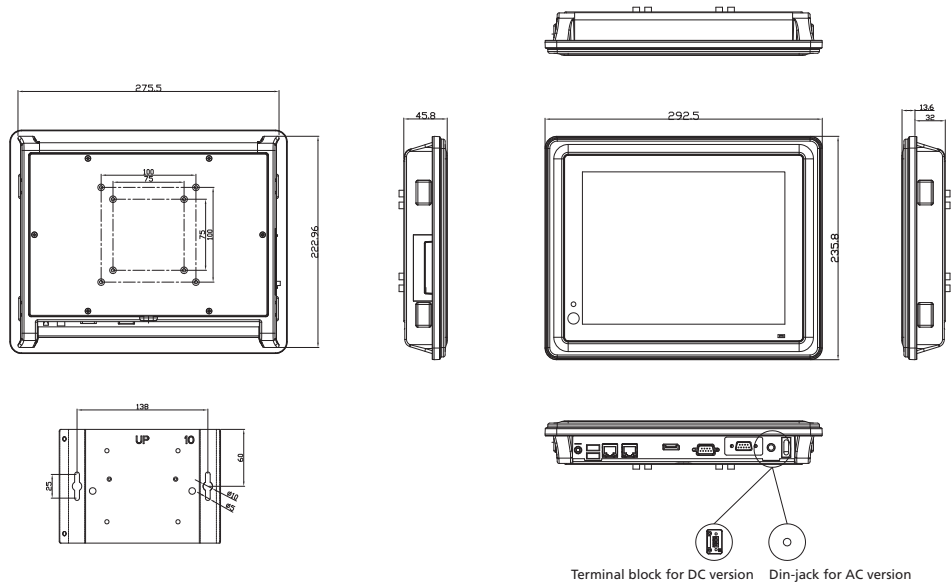
## Optional EOS Installation

WES7
WES

## Optional OS Installation

Windows® 7
Windows® XP

## Dimensions



Overview

Fanless Touch Panel Computers

Heavy-duty Fanless Touch Panel Computers

Industrial Touch Panel Computers

Industrial Touch panel Monitors

Infotainment Touch Panel Computers

6

Healthcare & Medical Solutions

Open Frame Panel Computers

Accessories

